DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12592403
		Catalog # :	

Frame	: 143/5TC	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 105 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.20/2.10 A	Protection degree	: IP55
L. R. Amperes	: 36.1/18.1 A	Cooling method	: IC410 - TENV
LRC	: 8.6x(Code L)	Mounting	: F-1
No load current	: 2.15/1.27 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1750 rpm	Starting method	: VFD
Slip	: 2.78 %	Approx. weight[3]	: 55.1 lb
Rated torque	: 4.50 ft.lb		
Locked rotor torque	: 280 %		
Breakdown torque	: 310 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.1424 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	85.5	86.0	86.5
Power Factor	0.00	0.58	0.69	0.76

Foundation loads

Max. traction	: 94 lb
Max. compression	: 149 lb

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6205 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	Mobil Polyrex EM	

Notes

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	06/03/2025		1 / 2	

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 ºC

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	06/03/2025		2 / 2	

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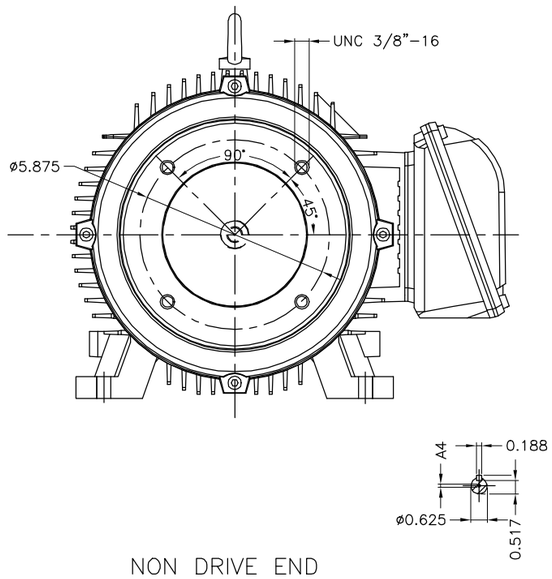
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EIXO	
PADRÃO	
OPCIONAL	
ESPECIAL	X

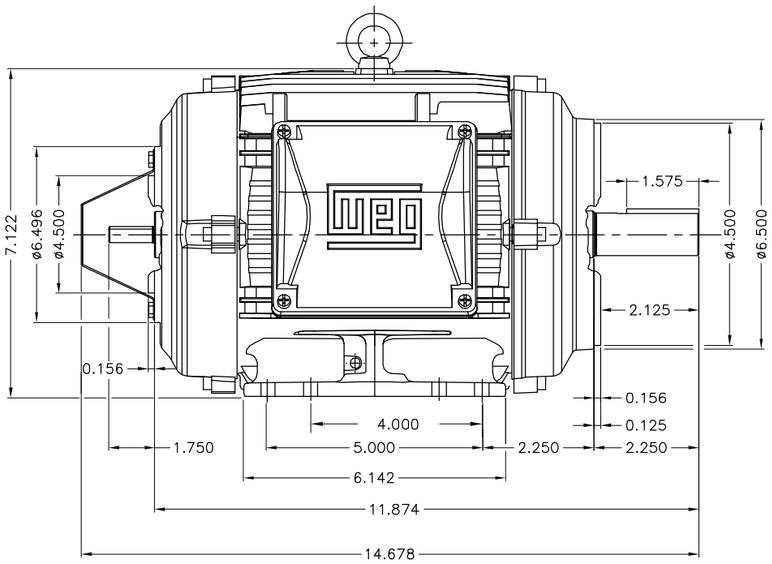
Dimensões em polegadas
Dimensions in inches

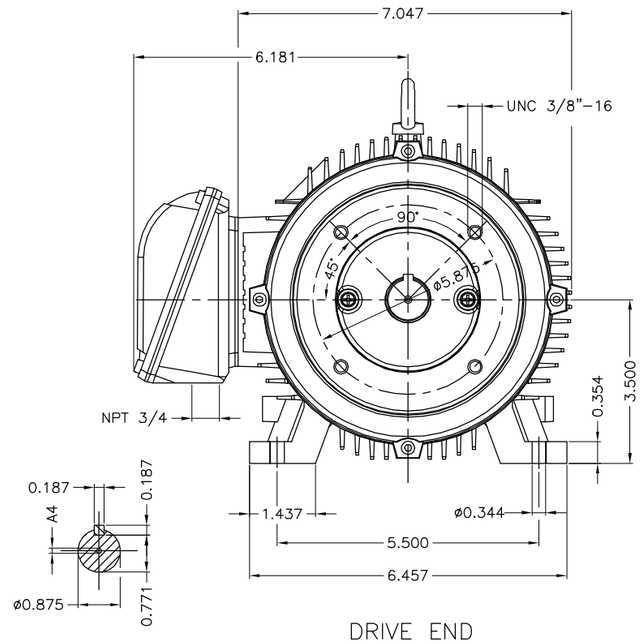
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Certified document.
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THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



NON DRIVE END





DRIVE END

Rolamento dianteiro de esferas 6205 ZZ / Rodamiento esferas delantero 6205 ZZ
Rolamento traseiro de esferas 6205 ZZ / Rodamiento esferas trasero 6205 ZZ

WEG MEXICO

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001086698		ALT. DISTÂNCIA FUNDO CHAVETA	ALESOMZ		MENSOR	21.09.2015	02
500000685814		ALT. CONF. ECM 500000685814	PMAUERBERG		CSPERAFICO	31.01.2013	01

EXECUTED	JOSEHM	THREE PHASE MOTOR W22	10001962705		
CHECKED		FRAME 143/5TC IP55	000	02	
RELEASED	JOSEHM				
REL DT	12.10.2012	WMO JARAGUA DO SUL ENGENHARIA DE PRODUTO	SHEET	1 / 1	

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